

PRAGATHI TECHNOLOGIES

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MCSA-Windows Server 2012

Exam Code(70-410): Installing and Configuring Windows Server 2012

Module Overview:

- **Deploying and Managing Windows Server 2012**
Windows Server 2012 Overview, Overview of Windows Server 2012 Management, Installing Windows Server 2012, Post-Installation Configuration of Windows Server 2012, Introduction to Windows PowerShell
- **Introduction to Active Directory Domain Services**
Overview of AD DS, Overview of Domain Controllers, Installing a Domain Controller
- **Managing Active Directory Domain Services Objects**
Managing User Accounts, Managing Group Accounts, Managing Computer Accounts, Delegating Administration
- **Automating Active Directory Domain Services Administration**
Using Command-line Tools for AD DS Administration, Using Windows PowerShell for AD DS Administration, Performing Bulk Operations with Windows PowerShell
- **Implementing IPv4**
Overview of TCP/IP, Understanding IPv4 Addressing, Subnetting and Supernetting, Configuring and Troubleshooting IPv4
- **Implementing Dynamic Host Configuration Protocol**
Installing a DHCP Server Role, Configuring DHCP Scopes, Managing a DHCP Database, Securing and Monitoring DHCP
- **Implementing Domain Name System**
Name Resolution for Windows Clients and Servers, Installing and Managing a DNS Server, Managing DNS Zones
- **Implementing IPv6**
Overview of IPv6, IPv6 Addressing, Coexistence with IPv6, IPv6 Transition Technologies

- **Implementing Local Storage**
Overview of Storage, Managing Disks and Volumes, Implementing Storage Spaces
- **Implementing File and Print Services**
Securing Files and Folders, Protecting Shared Files and Folders Using Shadow Copies, Configuring Network Printing
- **Implementing Group Policy**
Overview of Group Policy, Group Policy Processing, Implementing a Central Store for Administrative Templates
- **Securing Windows Servers Using Group Policy Objects**
Windows Operating Systems Security Overview, Configuring Security Settings, Increasing Security for Server Resources, Restricting Software, Configuring Windows Firewall with Advanced Security
- **Implementing Server Virtualization with Hyper-V**
Overview of Virtualization Technologies, Implementing Hyper-V, Managing Virtual Machine Storage, Managing Virtual Networks

Exam Code(70-411): **Administering Windows Server 2012**

Module Overview:

- **Deploying and Maintaining Server Images**
Overview of Windows Deployment Services, Implementing Deployment with Windows,Deployment Services, Administering Windows Deployment Services
- **Configuring and Troubleshooting Domain Name System**
Installing the DNS Server Role, Configuring the DNS Server Role, Configuring DNS Zones, Configuring DNS Zone Transfers, Managing and Troubleshooting DNS
- **Maintaining Active Directory Domain Services**
Overview of AD DS, Implementing Virtualized Domain Controllers, Implementing Read-Only Domain Controllers, Administering AD DS, Managing the AD DS Database
- **Managing User and Service Accounts**
Automating User Account Management, Configuring Password-Policy and User-Account Lockout Settings, Configuring Managed Service Accounts
- **Implementing a Group Policy Infrastructure**
Introducing Group Policy, Implementing and Administering GPOs, Group Policy Scope and Group Policy Processing, Troubleshooting the Application of GPOs

- **Managing User Desktops with Group Policy**
Implementing Administrative Templates, Configuring Folder Redirection and Scripts, Configuring Group Policy Preferences, Managing Software with Group Policy
- **Configuring and Troubleshooting Remote Access**
Configuring Network Access, Configuring VPN Access, Overview of Network Policies, Troubleshooting Routing and Remote Access
- **Installing, Configuring, and Troubleshooting the Network Policy Server Role**
Installing and Configuring a Network Policy Server, Configuring RADIUS Clients and Servers, NPS Authentication Methods, Monitoring and Troubleshooting a Network Policy Server
- **Implementing Network Access Protection**
Overview of Network Access Protection, Overview of NAP Enforcement Processes, Configuring NAP, Monitoring and Troubleshooting NAP
- **Optimizing File Services**
Overview of FSRM, Using FSRM to Manage Quotas, File Screens, and Storage Reports, Implementing Classification and File Management Tasks
- **Configuring Encryption and Advanced Auditing**
Encrypting Files by Using Encrypting File System, Configuring Advanced Auditing
- **Implementing Update Management**
Overview of WSUS, Deploying Updates with WSUS.
- **Monitoring Windows Server 2012**
Monitoring Tools, Using Performance Monitor, Monitoring Event Logs

Exam Code(70-412): Configuring Advanced Windows Server 2012 Services

Module Overview:

- **Implementing Advanced Network Services**
Configuring Advanced DHCP Features, Configuring Advanced DNS Settings, Implementing IPAM
- **Implementing Advanced File Services**
Configuring iSCSI Storage, Configuring BranchCache, Optimizing Storage Usage
- **Implementing Dynamic Access Control**
Overview of Dynamic Access Control, Planning for Dynamic Access Control, Deploying Dynamic Access Control
- **Implementing Network Load Balancing**
Overview of NLB, Configuring an NLB Cluster, Planning an NLB Implementation

- **Implementing Failover Clustering**
 - Overview of Failover Clustering, Implementing a Failover Cluster, Configuring Highly Available Applications and Services on a Failover Cluster, Maintaining a Failover Cluster, Implementing a Multi-Site Failover Cluster
- **Implementing Failover Clustering with Hyper-V**
 - Overview of Integrating Hyper-V with Failover Clustering, Implementing Hyper-V Virtual Machines on Failover Clusters, Implementing Hyper-V Virtual Machine Movement, Managing Hyper-V Virtual Environments by Using VMM
- **Implementing Disaster Recovery**
 - Overview of Disaster Recovery, Implementing Windows Server Backup, Implementing Server and Data Recovery
- **Implementing Distributed Active Directory Domain Services Deployments**
 - Overview of Distributed AD DS Deployments, Deploying a Distributed AD DS Environment, Configuring AD DS Trusts
- **Implementing Active Directory Domain Services Sites and Replication**
 - Overview of AD DS Replication, Configuring AD DS Sites, Configuring and Monitoring AD DS Replication,
- **Implementing Active Directory Certificate Services**
 - PKI Overview, Deploying CAs, Deploying and Managing Certificate Templates, Implementing Certificate Distribution and Revocation, Managing Certificate Recovery
- **Implementing Active Directory Rights Management Services**
 - AD RMS Overview, Deploying and Managing an AD RMS Infrastructure, Configuring AD RMS Content Protection, Configuring External Access to AD RMS
- **Implementing Active Directory Federation Services**
 - Overview of AD FS, Deploying AD FS, Implementing AD FS for a Single Organization, Deploying AD FS in a B2B Federation Scenario